

ABSTRACT OF THE DISCLOSURE

A position measuring apparatus is disclosed. The apparatus has a receiver for receiving signals from multiple satellites and
5 measuring the position of a mobile station based on the received signals. In addition, an angle determination unit determines angle range depending on the positional relation between the measured position of the mobile station and an obstacle. An
10 orbit information extraction unit extracts orbit information indicating orbits of the satellites from the received signals. A measurement unit measures the quality of the signals from at least one satellite that is expected to exist within the angle
15 range based on the extracted orbit information. Finally, a correction unit corrects the position of the mobile station to another position having a different height, according to the measured quality of the signal from the within-angle range satellite.

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